

Converting Colors

CIELCh(24, 76.105, 316.555)

Have a look what the booklet for
CIELCh(24, 76.105, 316.555)
contains.

CIELCh(24, 76.219, 316.570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 76.219, 316.570)

Conversions

Conversions Part 1

Format	Color
Hex	5C008A
RGB	92, 0, 138
RGB Percent	36%, 0%, 54%
CMY	0.6396, 1.0000, 0.4592
CMYK	0.33, 1.00, 0.00, 0.46
HSL	280°, 100%, 27%
HSV	280°, 100%, 54%
XYZ	8.9844, 4.1002, 24.3296
YIQ	43.2400, 10.5340, 62.4220

Conversions

Conversions Part 2

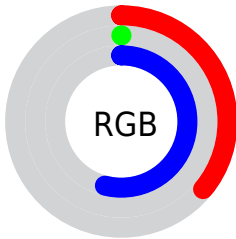
Format	Color
RYB	92, 0, 138
Decimal	6029450
CIELab	24.00, 55.35, -52.40
CIElCh	24, 76.219, 316.570
Yxy	4.1002, 0.2401, 0.1096
Android (android.graphics.Color)	4284219530 (0xFF5C008A)
YUV	43.2400, 46.7167, 42.7625
Hunter-Lab	20.2490, 43.7644, -57.0641

Details

The CIELCh color **24, 76.219, 316.570** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **50, 72.195, 132.167**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 76.056, 316.560**, and **10, 57.398, 311.184** is the 20% darker color. If you saturate the color by 10%, you get **24, 76.187, 316.564**, and if you desaturate by 10%, it is **26, 72.611, 316.982**.

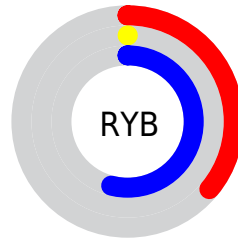
Distribution



Red (36%)

Green (0%)

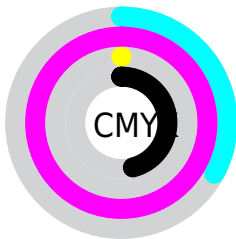
Blue (54%)



Red (36%)

Yellow (0%)

Blue (54%)

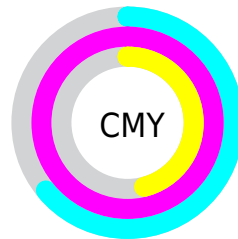


Cyan (33%)

Magenta (100%)

Yellow (0%)

Black (46%)



Cyan (64%)


Magenta (100%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 76.219, 316.570 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 24, 76.219, 316.570 by changing the saturation by 10% instead.

 24, 76.219,
316.570


 24, 76.219,
316.570


 100, 76.219,
316.570

 14, 76.219,
316.570


 44, 76.219,
316.570


 4, 76.219, 316.570

 54, 76.219,
316.570

 0, 76.219, 316.570

 64, 76.219,
316.570

 74, 76.219,
316.570

 84, 76.219,
316.570

 94, 76.219,

316.570

■ 24, 76.219,
316.570

■ 24, 76.219,
316.570

■ 24, 76.187,
316.564

■ 26, 72.611,
316.982

■ 28, 67.721,
317.224

■ 31, 61.168,
317.215

■ 34, 53.406,
317.024

■ 37, 44.874,
316.711

■ 41, 35.931,
316.327

■ 45, 26.831,
315.907

■ 49, 17.747,
315.476

■ 53, 8.784, 315.049

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24, 76.219, 316.570



50, 72.195, 132.167

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24, 76.219, 316.570



24, 76.219, 6.570



24, 76.219, 136.570



24, 76.219, 186.570

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24, 76.187, 316.564



57, 33.135, 315.934



24, 58.780, 294.719



28, 22.563, 316.089



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24, 76.187, 316.564



32, 92.198, 316.351



31, 65.249, 335.072



27, 4.946, 315.013



23, 74.031, 316.601



0, 2.274, 314.660

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28, 54.407, 16.556



38, 66.084, 17.870



50, 72.344, 137.968



27, 3.460, 354.446



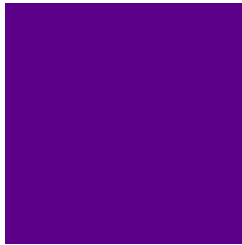
27, 52.837, 16.328



0, 1.580, 353.674

Previews

White Background



This preview shows how the CIE LCh color 24, 76.219, 316.570 looks on a white background.

Color Contrast Check

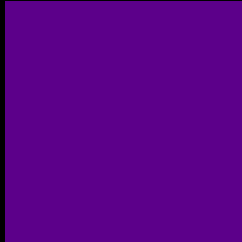
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 24, 76.219, 316.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 76.219, 316.570

Background



This preview shows how black text looks on a background with the CIELCh color 24, 76.219, 316.570.



This preview shows how white text looks on a background with the CIELCh color 24, 76.219, 316.570.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24, 76.219, 316.570

Protanopia

25, 42.980, 285.073

Deuteranopia

25, 30.547, 271.568



Tritanopia
25, 11.105, 8.135

Trichromacy



Original Color
24, 76.219, 316.570

Protanomaly
21, 60.094, 300.841

Deuteranomaly
20, 52.723, 299.224

Tritanomaly
22, 38.181, 324.383

Monochromacy



Original Color
24, 76.219, 316.570

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 36.337, 317.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 76.219, 316.570 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(92, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(92, 0, 138)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(92, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 0, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 76.219, 316.570 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 0, 138) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(92, 0, 138) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(92, 0, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(92, 0, 138)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 76.219, 316.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 0, 138) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(92, 0,  
138) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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